



STIC Search Report

EIC 2100

STIC Database Tracking Number: 167141

TO: Kenneth Tang
Location: RND 5B59
Art Unit: 2195
Thursday, September 29, 2005

Case Serial Number: 09/875521

From: Emory Damron
Location: EIC 2100
RND 4B19
Phone: 571-272-3520

Emory.Damron@uspto.gov

Search Notes

Dear Kenneth,

Please find below the results of your fast and focused search.

References of potential pertinence have been tagged, but please review all the packets in case you like something I didn't.

Of those references which have been tagged, please note any manual highlighting which I've done within the document.

In addition to searching on Dialog, I also searched EPO/JPO/Derwent and Google. There may be a few decent references contained herein, but I'll let you determine how useful they may be to you.

If you have the time, I would recommend you submit this case for a comprehensive search; we might have better luck.

Please contact me if I can refocus or expand any aspect of this case, and please take a moment to provide any feedback (on the form provided) so EIC 2100 may better serve your needs. Good Luck!

Sincerely,
Emory Damron
Technical Information Specialist
EIC 2100, US Patent & Trademark Office
Phone: (571) 272-3520
Emory.damron@uspto.gov





STIC EIC 2100 167141 Search Request Form

Today's Date:

9/28/05

What date would you like to use to limit the search?

Priority Date: 6/6/2000

Other:

Name Kenneth Tang

AU 2195 Examiner # 7455

Room # 5B59 Phone 2-3772

Serial # 09/875521

Format for Search Results (Circle One):

PAPER DISK EMAIL

Where have you searched so far?

USP DWPI EPO JPO ACM IBM TDB
IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) YES NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at <http://ptoweb/patents/stic/stic-tc2100.htm>.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Claim 7

Comparing a first increment to a second increment and selecting the increment that is less.

709/100

XCOPY

STIC Searcher

Emory D. Miller

Phone

2-3520

Date picked up

9/28/05

Date Completed

9/28/05





STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact *the EIC searcher* or contact:

Anne Hendrickson, EIC 2100 Team Leader
272-3490, RND 4B28

Voluntary Results Feedback Form

➤ I am an examiner in Workgroup: 2195 Example: 2133

➤ Relevant prior art **found**, search results used as follows:

- ☐ 102 rejection
- ☐ 103 rejection
- ☐ Cited as being of interest.
- ☐ Helped examiner better understand the invention.
- ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
(journal articles, conference proceedings, new product announcements etc.)

➤ Relevant prior art **not found**:

- ☐ Results verified the lack of relevant prior art (helped determine patentability).
- ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

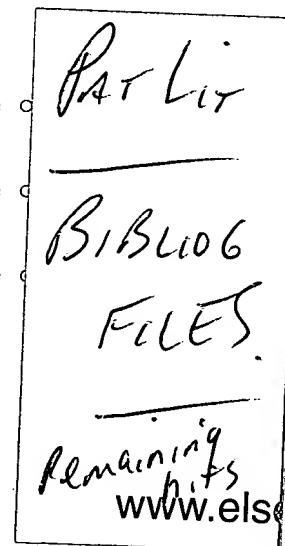
Drop off or send completed forms to STIC/EIC2100 RND, 4B28



Set	Items	Description
S1	2201923	COMPAR? OR CONTRAST? OR EVALUAT? OR DETERMIN? OR TRACK?
S2	844527	MONITOR? OR ANALY? OR ASSESS? OR ASCERTAIN?
S3	3026345	FIRST? OR PRIMARY? OR ORIGINAL? OR 1ST OR INITIAL? OR LEAD- ING? OR LEADOFF?
S4	1865	INTRODUCTORY? OR NUMBER()ONE
S5	3541064	SECOND? OR ANOTHER? OR ADDITIONAL? OR EXTRA? OR TWOFOLD? OR NUMBER()TWO
S6	1162065	COST? OR PRICE? OR EXPENDITUR? OR USAGE? OR UTILIZATION? OR UTILISATION?
S7	1192552	AMOUNT? OR EXPENS? OR DISBURS? OR TOTAL()USED? OR RESOURC?
S8	2348068	INCREASE? OR INCREMENT? OR STEPUP? OR ADDITION? OR ADVANCE- MENT? OR STEPINCREASE?
S9	838143	RAISE? OR RISE? OR INFLAT? OR ENLARG? OR SURGE? OR BOOST?
S10	1950359	SELECT? OR CHOOS? OR CHOICE? OR PICK?
S11	3501925	ALLOCAT? OR DECID? OR OPT OR OPTS OR OPTING OR ELECT?
S12	5224605	LOWEST? OR LOWER? OR LEAST? OR SMALL? OR MINIM? OR LITTL?
S13	845832	BOTTOM? OR ROCKBOTTOM? OR LOWERMOST? OR MOST() (LOW OR SMALL OR LITTLE)
S14	94209	CHEAP? OR (LESS OR LEAST OR FEWER) () (EXPENSIV? OR COSTLY? - OR MONEY? OR RESOURC?)
S15	428228	ECONOMICAL? OR OPTIMIZ? OR OPTIMIS? OR CHEAPEST? OR MOST()- CHEAP? OR OPTIM?
S16	60341	COST? () (EFFECTIVE? OR EFFICIENT? OR SAVING?) OR MOST() INEX- PENS? OR MINIM? () (EXPENS? OR COST? ?)
S17	1242704	IC=G06F?
S18	1110442	(S1:S2 OR S10:S11) AND S8:S9
S19	48609	S18 AND S8:S9(7N)S6:S7
S20	8963	S19 AND S3:S5(7N)S8:S9
S21	4970	S19 AND (S1:S2 OR S10:S11) (7N)S12:S16
S22	982	S20 AND S21
S23	86	S22 AND S17
S24	2014	S21 AND S12:S16(7N)S6:S9
S25	484	S22 AND S24
S26	47	S25 AND S17
S27	86	S23 OR S26
S28	826273	PR=2002:2005
S29	78	S27 NOT S28
S30	78	IDPAT (sorted in duplicate/non-duplicate order)
S31	330	S19 AND S1:S2(5N) (S3:S4 AND S5) (5N)S8:S9
S32	181	S31 AND S12:S16
S33	30	S31:S32 AND S17
S34	23	S33 NOT (S27:S28)
S35	23	IDPAT (sorted in duplicate/non-duplicate c
S36	68	S32 AND S12:S16(5N) (S6:S9)
S37	56	S36 NOT (S27:S28 OR S29 OR S33)
S38	56	IDPAT (sorted in duplicate/non-duplicate c
S39	10	S32 AND (INCREMENT?)
S40	10	S39 NOT S29
S41	10	IDPAT (sorted in duplicate/non-duplicate c

File 347:JAPIO Nov 1976-2005/Apr (Updated 050801)
(c) 2005 JPO & JAPIO

File 350:Derwent WPIX 1963-2005/UD,UM &UP=200561
(c) 2005 Thomson Derwent



35/3,K/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013022903 **Image available**
WPI Acc No: 2000-194754/200017
XRPX Acc No: N00-144131

Method for incrementally maintaining 1st materialized view of data in database using additional materialized view determines if this is less than 2nd cost of maintaining 1st view without additional view

Patent Assignee: AT & T CORP (AMTT); UNIV COLUMBIA NEW YORK (UYCO)

Inventor: ROSS K A; SRIVASTAVA D; SUDARSHAN S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6026390	A	20000215	US 9615864	A	19960529	200017 B
			US 96682492	A	19960717	
			US 96760795	A	19961203	
			US 97890194	A	19970709	

Priority Applications (No Type Date): US 9615864 P 19960529; US 96682492 A 19960717; US 96760795 A 19961203; US 97890194 A 19970709

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6026390	A	14	G06F-017/30	Provisional application US 9615864 Cont of application US 96682492 Cont of application US 96760795

Method for incrementally maintaining 1st materialized view of data in database using additional materialized view determines if this is less than 2nd cost of maintaining 1st view without additional view

Abstract (Basic):

... The method incrementally maintains a 1st material view of data in a database by determining if 1st cost of doing this with an additional materialized view is less than 2nd cost of incrementally maintaining the 1st without additional view. It creates additional view only if 1st cost is less than 2nd. It makes an expression directed acyclic graph corresponding to a query...

... As a method of incrementally maintaining a first materialized view of data in a database using an additional materialized view...

...Title Terms: INCREMENT ;

International Patent Class (Main): G06F-017/30